

CLAIMS

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- 5 1. A handheld or pocket-sized electronic apparatus (1), such as a mobile telephone, comprising a display unit and a touch surface (20; 21) that is position-sensitive in a first and a second direction for control of the electronic apparatus, characterised in that the display unit has a display area (12) taking up most of the front side (2) of the apparatus (1) and in that the touch surface (20; 21) is arranged at an edge side (4; 5) of the apparatus (1) and is curved in the first direction to convex shape.
- 10 2. An apparatus as claimed in claim 1, wherein the touch surface (20; 21) is longer in the second direction than in the first direction.
- 15 3. An apparatus as claimed in claim 1 or claim 2, wherein the touch surface (20; 21) is single-curved about a linear geometric axis parallel with the second direction.
- 20 4. An apparatus as claimed in any one of claims 1-3, wherein the touch surface (21; 20) is arranged in its entirety on the edge side (4; 5) of the apparatus (1) and has two parallel longitudinal edges between which the curved touch surface (21; 20) runs, and which longitudinal edges are united with the front side (2) and rear side (3), respectively, of the apparatus (1).
- 25 5. An apparatus as claimed in any one of claims 1-3, wherein the touch surface (21; 20) is arranged in its entirety on the side edge (4; 5) of the apparatus (1) and has two parallel longitudinal edges between which the curved touch surface (21; 20) runs and wherein at least one of said longitudinal edges is united with the edge side (4; 5) of the apparatus (1).
- 30 6. An apparatus as claimed in any one of claims 1-3, wherein most of the curved touch surface (20; 21) is arranged on the edge side (4; 5) of the apparatus (1) and a small part of the curved touch surface (20; 21) is arranged on the front side (29) of the apparatus (1).
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F.05011-1-15660

7. An apparatus as claimed in any one of the preceding claims, wherein the extension of the display area (12) in the direction corresponding to positioning in the first direction of the touch surface (20; 21) is greater than the extension of the touch surface (20; 21) in the first direction.

8. An apparatus as claimed in any one of the preceding claims, wherein the extension of the display area (12) in the direction corresponding to positioning in the second direction of the touch surface (20; 21) is substantially equivalent to the extension of the touch surface (20; 21) in the second direction.

9. An apparatus as claimed in any one of the preceding claims, wherein the touch surface (21) is divided in the second direction into at least two part-surfaces (21-1, 21-2) with separate position determining.

10. An apparatus as claimed in any one of the preceding claims, wherein the curved touch surface constitutes a first curved touch surface (21) and the apparatus (1) has a second curved touch surface (20), and wherein the first curved touch surface (21) and the second curved touch surface (20) are arranged on opposite edge sides (4; 5) of the apparatus (1).

11. An apparatus as claimed in claim 1, wherein the curved touch surface (21; 20) is convexly single-curved about a linear geometric axis parallel with said second direction and wherein the touch surface (21; 20) is formed by an outer side of a resilient outer foil (26) having two edges located parallel to said linear geometric axis and at which the resilient outer foil (26) is clamped so that, as a direct result of its striving to assume a flat form, it is tensioned to a convexly single-curved, resilient surface.

12. A hand-controlled input device (20; 21) comprising a touch surface that is position-sensitive in a first and a second direction and over which touch surface a user is to pass a finger, and means (25, 26, 30, 36, 37) for sensing the position of the finger in said two directions on the touch surface (21; 20), wherein the touch surface (21; 20) is convexly single-

curved about a linear geometric axis parallel with said second direction, characterised in that the touch surface (21; 20) is formed by an outer side of a resilient outer foil (26) having two edges located parallel to said linear geometric axis and at which the resilient outer foil (26) is clamped so that, as a direct result of its striving to assume a flat form, it is tensioned to a convexly single-curved, resilient surface.

13. An input device as claimed in claim 12, wherein the touch surface (20; 21) is longer in the second direction than in the first direction.

14. An input device as claimed in claim 12 or claim 13, wherein the touch surface (20; 21) is single-curved about a linear geometric axis parallel with the second direction.

15. An input device as claimed in any one of claims 12-14, also comprising a curved inner foil (25) arranged inside and spaced from the outer foil (26).

16. An input device as claimed in claim 15, wherein the outer foil (26) has greater curvature than the inner foil (25).

17. An input device as claimed in either of claims 15 or 16, wherein the outer foil (26) has greater extension in its transverse direction than the inner foil (25), so that it is brought into a relative distance from the inner foil (25) when the foils (25, 26) are clamped to the convex form along their opposite longitudinal edges.